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**IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE**

<i>Application Number</i>	09/117,447
<i>Filing Date</i>	December 2, 1998
<i>Inventor</i>	LUBITZ et al.
<i>Group Art Unit</i>	1645
<i>Examiner Name</i>	N. Minnifield
<i>Attorney Docket Number</i>	2923-397

*Title of the Invention:* RECOMBINANT EXPRESSION OF S-LAYER PROTEINS

**RECEIVED**

**AMENDMENT UNDER 37 CFR 1.111**

JUL 17 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

TECH CENTER 1600/2900

July 14, 2003

Dear Sir:

In response to the non-final Office Action dated January 14, 2003, Applicants request entry of the amendments below and reconsideration of the application.

**In the Claims:**

Please amend the claims as follows:

- 1.(Thrice Amended) A process for production of a crystalline S-layer protein comprising:  
(a) transforming a gram-negative prokaryotic host cell with a full length nucleic acid encoding an S-layer protein selected from the group consisting of  
(i) a nucleic acid comprising a nucleotide sequence from position 1 to 3684 of SEQ ID NO:1,  
(ii) a nucleic acid comprising a nucleotide sequence which encodes an amino acid sequence according to SEQ ID NO:2, and  
(iii) a nucleic acid comprising a nucleotide sequence which hybridizes with at least one of the nucleic acid of (i) or (ii) under stringent conditions;

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